## RAW SEQUENCE LISTING PATENT APPLICATION US/08/485,438

DATE: 06/06/96 TIME: 11:25:34

INPUT SET: S10908.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

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1
                                              SEQUENCE LISTING
        2
        3
            (1)
                   General Information:
                                                              ENTERED
        4
                 (i) APPLICANT:
-->
        5
        6
                      (A) NAME: Synergen, Inc.
        7
                      (B) STREET: 1885 33rd Street
        8
                      (C) CITY: Boulder
        9
                      (D) STATE: Colorado
       10
                      (E) COUNTRY: USA
       11
                      (F) POSTAL CODE (ZIP): 80301
                      (G) TELEPĤONE: (303) 541-1380
       12
       13
                      (H) TELEFAX: (303) 541-1370
       14
       15
                (ii) TITLE OF INVENTION: Inhibition of Retrovirus Infection
       16
       17
               (iii) NUMBER OF SEQUENCES: 3
       18
       19
                (iv) COMPUTER READABLE FORM:
       20
                      (A) MEDIUM TYPE: Floppy disk
       21
                      (B) COMPUTER: IBM PC compatible
       22
                      (C) OPERATING SYSTEM: PC-DOS/MS-DOS
       23
                      (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
       24
       25
                 (vi) CURRENT APPLICATION DATA:
                     (A) APPLICATION NUMBER: US 08/485,438
       26
                     (B) FILING DATE: 07-JUN-1995
       27
       28
                     (C) CLASSIFICATION: 514
       29
       30
                (vii) PRIOR APPLICATION DATA:
       31
                      (A) APPLICATION NUMBER: US 08/209,040
       32
                      (B) FILING DATE: 09-MAR-1994
       33
       34
            (2) INFORMATION FOR SEQ ID NO: 1:
       35
                 (i) SEQUENCE CHARACTERISTICS:
       36
       37
                      (A) LENGTH: 60 amino acids
       38
                      (B) TYPE: amino acid
       39
                      (D) TOPOLOGY: linear
       40
                (ii) MOLECULE TYPE: protein
       41
       42
       43
                (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
       44
       45
                 Leu Asp Pro Val Asp Thr Pro Asn Pro Thr Arg Arg Lys Pro Gly Lys
       46
                                                      10
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PAGE: 2

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/485,438

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71	TATGGCCA	AT G'	rttg/	ATGC	TA	ACCC	ccc	AAT'	TTCT	TG A	AGATO	GAT	G CC	AGTO	CAAC	3	120
72																	
72 73	CGTGACTT	GA AG	GTGT1	rgca:	r gg	CAT	STGT	GGG	AAAT	CCT (	CGT	TCC	CC TC	TGA	AGCT	r	180
	CGTGACTT	GA AG	GTGT	rgca:	r ggd	CAT	GTGT	GGG	AAAT	CCT (	CGT	TCC	CC TC	STGA	AGCT	ŗ	180
73	CGTGACTT	GA AC	GTGT'	rgca:	r ggd	GCAT(	GTGŢ	GGG	AAAT	CCT (	GCGT	TCC	CC TO	gtga <i>l</i>	AGCT	ני	180
73 74	CGTGACTT						•		AAAT	CCT (	SCGT	rtcc	CC TC	etga <i>i</i>	AAGCT	r	180
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73 74 75 76	(2) INFO	RMAT:	ION I		SEQ :	ID NO	D: 3	:	AAAT	CCT (	CGT	TCC	CC TC	etga <i>i</i>	AGCT	r	180
73 74 75 76 77	(2) INFO	RMAT:	ION I	FOR S	SEQ :	ID NO	D: 3	: 5:	АААТ	CCT (	CGT	TCC	CC TC	etga <i>i</i>	AAGCT	r	180
73 74 75 76 77 78 79	(2) INFO	RMAT: SEQI (A (B	ION I JENCI ) LEI ) TYI	FOR S E CHANGTH S PE: 4	SEQ : ARAC: : 60	ID NO TERIS amin	D: 3 STIC: no ac	: 5:	<b>ЧААТ</b> (	CCT	GCGTT	TTCC	ec to	etga <i>i</i>	AAGCT	r	180
73 74 75 76 77 78 79 80 81	(2) INFO	RMAT: SEQI (A (B	ION I JENCI ) LEI ) TYI	FOR S	SEQ : ARAC: : 60	ID NO TERIS amin	D: 3 STIC: no ac	: 5:	ТААР	CCT (	GCGT'	TCC	CC TO	etgaj	AGCT	r	180
73 74 75 76 77 78 79 80 81 82	(2) INFO	RMAT: SEQI (A (B (D	ION I JENCI ) LEI ) TYI ) TOI	FOR S E CHA NGTH PE: 6	SEQ : ARAC': 60 amine GY: :	ID NO TERIS amin o aci	D: 3 STIC: no ac id ar	: 5:	таа	CCT (	GCGT'	TCC	CC TO	etgaj	AGCT	ŗ	180
73 74 75 76 77 78 79 80 81 82 83	(2) INFO	RMAT: SEQI (A (B (D	ION I JENCI ) LEI ) TYI ) TOI	FOR S E CHA NGTH PE: 6	SEQ : ARAC': 60 amine GY: :	ID NO TERIS amin o aci	D: 3 STIC: no ac id ar	: 5:	АААТ	CCT	GCGT1	TCC(	CC TC	etga <i>i</i>	AAGC'I	ŗ	180
73 74 75 76 77 78 79 80 81 82 83	(2) INFO	SEQU (A (B (D	ION I JENCI JENCI JENCI JECULI	FOR S E CHA NGTH: PE: 6 POLOG	SEQ : ARAC' 60 amino GY: :	ID NO PERIS amin o aci lines orote	D: 3: STIC: no ac id ar	: Cids			GCGTT	TCC	CC TC	etga <i>i</i>	AAGCT	י	180
73 74 75 76 77 78 79 80 81 82 83 84	(2) INFO	SEQU (A (B (D	ION I JENCI JENCI JENCI JECULI	FOR S E CHA NGTH: PE: 6 POLOG	SEQ : ARAC' 60 amino GY: :	ID NO PERIS amin o aci lines orote	D: 3: STIC: no ac id ar	: Cids			GCGTT	TTCC	CC TC	etga <i>i</i>	AAGCT	י	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86	(2) INFO	SEQUARE (A) (B) (D) MOLI	ION I  JENCI  TYI  TOI  ECULI  JENCI	FOR S E CHA NGTH: PE: 6 POLOG E TYI E DES	SEQ TARACT 60 amino GY: Termino FE: 1	ID Normalia	D: 3 STIC: no ac id ar ein	: S: cids EQ II	ои о	: 3:							180
73 74 75 76 77 78 79 80 81 82 83 84 85 86	(2) INFO	SEQUARE (A) (B) (D) MOLI	ION I  JENCI  TYI  TOI  ECULI  JENCI	FOR S E CHA NGTH: PE: 6 POLOG	SEQ : ARAC': 60 amind GY: 1 PE: 1 SCRII	ID Normalia	D: 3 STIC: no ac id ar ein	: S: cids EQ II	ои о	: 3: Thr					Gly		180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88	(2) INFO	SEQUARE (A) (B) (D) MOLI	ION I  JENCI  TYI  TOI  ECULI  JENCI	FOR S E CHA NGTH: PE: 6 POLOG E TYI E DES	SEQ TARACT 60 amino GY: Termino FE: 1	ID Normalia	D: 3 STIC: no ac id ar ein	: S: cids EQ II	ои о	: 3:							180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88	(2) INFO	SEQU (A (B (D MOLI SEQU	ION I JENCE ) LEE ) TYE ) TOE ECULE JENCE	FOR SECULATION OF THE TAIL TO	ARAC' : 60 amino GY: 1  SCRII Asp 5	ID NO PERIS amin o ac: linea prote PTION	D: 3 STIC: no ac id ar ein N: SI Pro	: S: cids EQ II	D NO Pro	: 3: Thr 10	Arg	Arg	Lys	Pro	Gly 15	Lys	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90	(2) INFO	SEQU (A (B (D MOLI SEQU	ION I JENCE ) LEE ) TYE ) TOE ECULE JENCE	FOR SECHINGTHE PE: A POLOGE TYPE DES Val	ARAC' : 60 amino GY: 1  SCRII Asp 5	ID NO PERIS amin o ac: linea prote PTION	D: 3 STIC: no ac id ar ein N: SI Pro	: S: cids EQ II	D NO Pro Xaa	: 3: Thr 10	Arg	Arg	Lys	Pro Pro	Gly 15	Lys	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91	(2) INFO	SEQU (A (B (D MOLI SEQU	ION I JENCE ) LEE ) TYE ) TOE ECULE JENCE	FOR SECULATION OF THE TAIL TO	ARAC' : 60 amino GY: 1  SCRII Asp 5	ID NO PERIS amin o ac: linea prote PTION	D: 3 STIC: no ac id ar ein N: SI Pro	: S: cids EQ II	D NO Pro	: 3: Thr 10	Arg	Arg	Lys	Pro	Gly 15	Lys	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91 92	(2) INFO	SEQUANT SEQUENT SEQUEN	ION I JENCE ) LEM ) TYM ) TOM ECULM PECULM Pro	FOR SECHINGTH: PE: A POLOGE TYPE Val Thr 20	ARAC' : 60 amino GY: 1 PE: 1 SCRII Asp 5	ID NO PERIS amin o ac: lines prote PTION Thr	D: 3 STICS no ac id ar ein N: SI Pro	: S: cids EQ II Asn Cys	D NO Pro Xaa 25	: 3: Thr 10 Xaa	Arg Xaa	Arg Asn	Lys Pro	Pro Pro 30	Gly 15 Asn	Lys Phe	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91 92 93	(2) INFO	SEQUANT SEQUENT SEQUEN	ION I  JENCE  TYPE  TOPE  ECULP  Pro  Val	FOR SECHINGTHE PE: A POLOGE TYPE DES Val	ARAC' : 60 amino GY: 1 PE: 1 SCRII Asp 5	ID NO PERIS amin o ac: lines prote PTION Thr	D: 3 STICS no ac id ar ein N: SI Pro	: Eids EQ II Asn Cys	D NO Pro Xaa 25	: 3: Thr 10 Xaa	Arg Xaa	Arg Asn	Lys Pro Cys	Pro Pro 30	Gly 15 Asn	Lys Phe	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91 92 93	(2) INFO	SEQUANT SEQUENT SEQUEN	ION I JENCE ) LEM ) TYM ) TOM ECULM PECULM Pro	FOR SECHINGTH: PE: A POLOGE TYPE Val Thr 20	ARAC' : 60 amino GY: 1 PE: 1 SCRII Asp 5	ID NO PERIS amin o ac: lines prote PTION Thr	D: 3 STICS no ac id ar ein N: SI Pro	: S: cids EQ II Asn Cys	D NO Pro Xaa 25	: 3: Thr 10 Xaa	Arg Xaa	Arg Asn	Lys Pro	Pro Pro 30	Gly 15 Asn	Lys Phe	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91 92 93 94 95	(2) INFO	SEQUE MOLI SEQUE ASP	ION I JENCE TYPE TOP ECULP Pro Val Xaa 35	FOR SECHINGTH: PE: 6 POLOGE TYPE  Val  Thr 20  Asp	ARACT : 60 amino GY: 1  SCRII  Asp 5  Tyr  Gly	ID NO FERIS Amin Caci Linea PTION Thr Gly Gln	D: 3 STIC: no ac id ar ein Pro Gln Cys	: S: cids EQ II Asn Cys Lys 40	D NO Pro Xaa 25 Arg	: 3: Thr 10 Xaa Asp	Arg Xaa Leu	Arg Asn Lys	Lys Pro Cys	Pro Pro 30	Gly 15 Asn	Lys Phe	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 89 91 92 93 94 95 96	(2) INFO	SEQUE ASP Pro Glu	ION I JENCE TYPE TOP ECULP Pro Val Xaa 35	FOR SECHINGTH: PE: A POLOGE TYPE Val Thr 20	ARACT : 60 amino GY: 1  SCRII  Asp 5  Tyr  Gly	ID NO FERIS Amin Caci Linea PTION Thr Gly Gln	O: 3 STIC: no ac id ar ein Pro Gln Cys	: S: cids EQ II Asn Cys Lys 40	D NO Pro Xaa 25 Arg	: 3: Thr 10 Xaa Asp	Arg Xaa Leu	Arg Asn Lys Xaa	Lys Pro Cys	Pro Pro 30	Gly 15 Asn	Lys Phe	180
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91 92 93 94 95	(2) INFO	SEQUE MOLI SEQUE ASP	ION I JENCE TYPE TOP ECULP Pro Val Xaa 35	FOR SECHINGTH: PE: 6 POLOGE TYPE  Val  Thr 20  Asp	ARACT : 60 amino GY: 1  SCRII  Asp 5  Tyr  Gly	ID NO FERIS Amin Caci Linea PTION Thr Gly Gln	D: 3 STIC: no ac id ar ein Pro Gln Cys	: S: cids EQ II Asn Cys Lys 40	D NO Pro Xaa 25 Arg	: 3: Thr 10 Xaa Asp	Arg Xaa Leu	Arg Asn Lys	Lys Pro Cys	Pro Pro 30	Gly 15 Asn	Lys Phe	180